

ABSTRACT

An interactive imaging system and method thereof are provided. The invention provides a real-time interactive video system. The input signals to the system are given through an array of cameras, sensors and microphones. The input signals are generated by human (or pet) presence and involvement. A set of software modules is invoked based on a "rule" framework created by the user, e.g., artist or designer, of the interactive system. The "rules" define which set of input signals are connected to certain portions, i.e., impressible regions, of an image on a display of the system or connected to certain portions on a mosaiced display. The inventive system allows the user to build a set of "rules" as to how the impressible regions of the displayed images can change based on motion, color, and/or texture of a "visitor" interacting with the system.